

इंटरनेट

मानक

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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 8840 (1978): Scissors, Microlaryngeal Surgery [MHD 4: Ear, Nose and Throat Surgery Instruments]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”



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Indian Standard

# SPECIFICATION FOR SCISSORS, MICROLARYNGEAL SURGERY

**1. Scope** — Covers dimensional and other requirements for scissors used in microlaryngeal ENT surgery.

**2. Shape and Dimensions** — As shown in Fig. 1.

**2.1** A deviation of  $\pm 2.5$  percent shall be allowed on all dimensions.

**3. Material** — Stainless steel conforming to Designation 40Cr13 of IS : 6603-1972 'Specification for stainless steel bars and flats'.

**4. Workmanship and Finish**

**4.1** The scissors shall be symmetrical and well balanced.

**4.2** The scissors shall be free from scale, pits, burrs, tool marks and other surface defects.

**4.3** The moving blade shall open and close without stiffness and shall have a slight cross-over action to give a continuous pinch. There shall be no play at the joint.

**4.4** The scissors shall be dull matt finished and passivated.

**4.5** All the edges shall be even. The edges shall be rounded except the cutting edges, which shall be sharp and shall not have any feather.

**5. Heat Treatment** — The scissors shall be hardened and tempered to 540 to 600 HV.

**6. Tests**

**6.1 Performance** — The scissors shall cut, teased-out cotton wool, fine hairs and latex rubber accurately and clearly from pinch to tip.

**6.2 Flexibility Test** — The flexibility shall be tested in the following manner.

**6.2.1** A force of moderate degree shall be applied by the fingers to the shank attempting to bend the shank on width. This shall be repeated at several points along the shank. The test shall then be repeated in a plane at right angles to the first on completion of the test, the shank shall not have acquired permanent set.

**6.3 Corrosion Resistance** — The scissors shall satisfy the boiling and autoclaving test as in IS : 7531-1975 'Method of boiling and autoclaving test for corrosion resistance of stainless steel surgical instruments'.

**7. Marking** — The scissors shall be marked with the following:

- a) Manufacturer's name, initials or recognized trade-mark; and
- b) The country of manufacture.

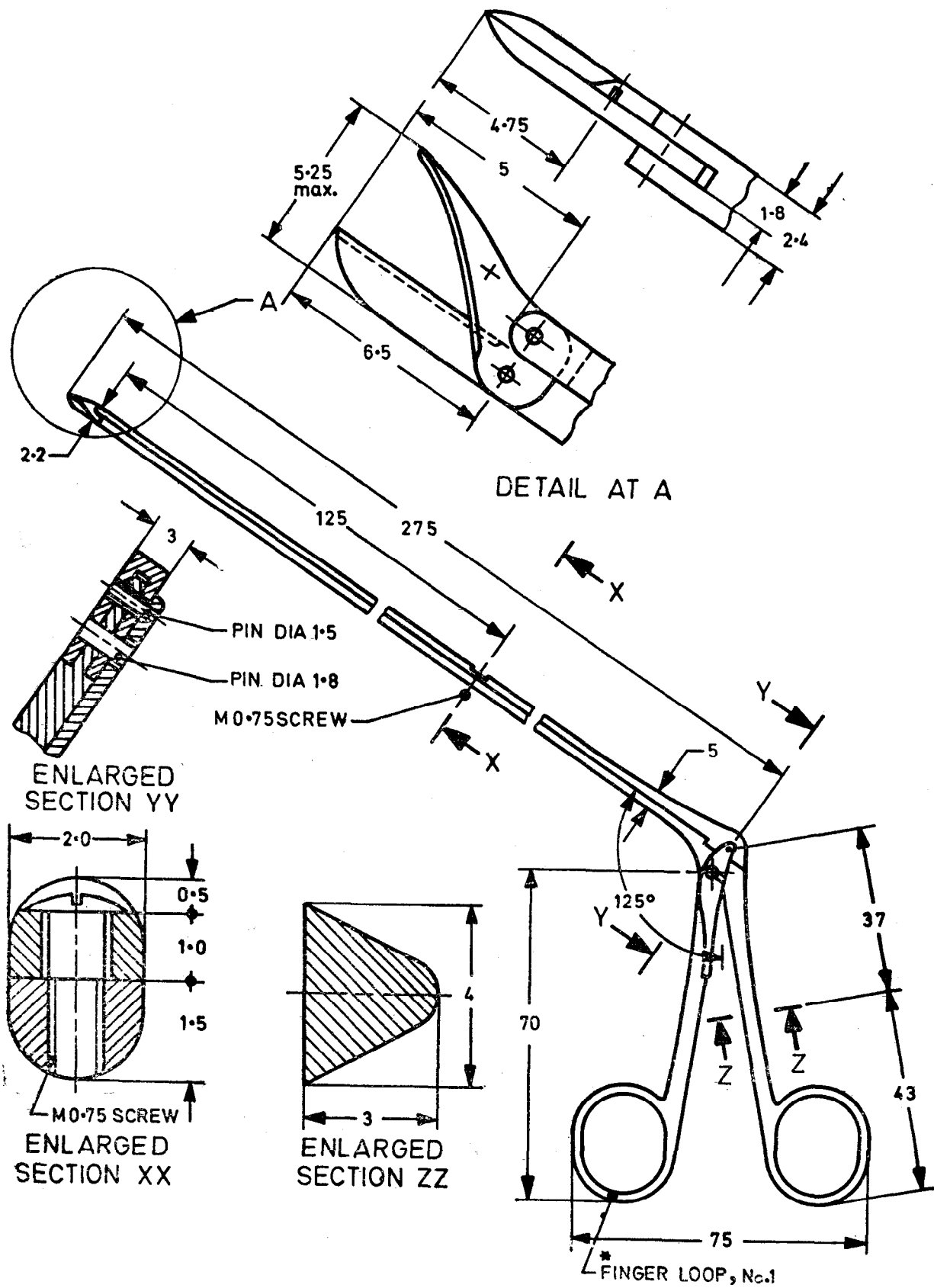
**7.1 ISI Certification Marking** — Details available with the Indian Standards Institution.

**8. Packing** — The scissors shall be wrapped in moisture-proof paper or packed in polyethylene bag avoiding contact with one another. They may also be packed as agreed to between the purchaser and the supplier.

Adopted 28 June 1978

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Price Rs 5.00



\* See IS : 3652-1966 ' General requirements for surgical instruments '.

**All dimensions in millimetres.**

**FIG. 1 SCISSORS, MICROLARYNGEAL SURGERY**